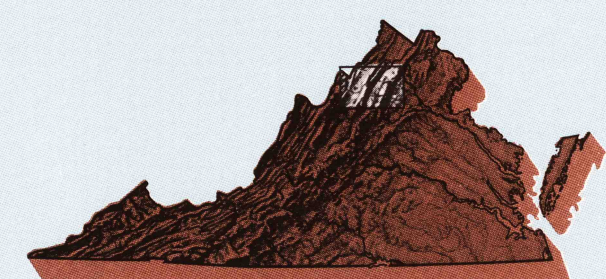


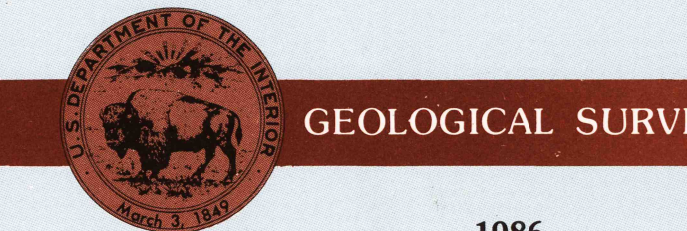
Front Royal VIRGINIA—WEST VIRGINIA

1:100 000-scale
planimetric map



30 X 60 MINUTE QUADRANGLE
SHOWING

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1965-1979. Planimetry revised from aerial photographs taken 1984 and other source data. Revised information not field checked. Map edited 1986.
 Projection and 10 000-meter grid, zone 17 Universal Transverse Mercator. 25 000-foot grid ticks based on Virginia coordinate system, north zone and West Virginia coordinate system, north zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 8 meters south and 23 meters west. There may be private subdivisions within the boundaries of the National or State reservations shown on this map.

NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE | | DECLINATION DIAGRAM | | ADJOINING MAPS | | |
|------------------|--------|---------------------|--------|----------------|---|---|
| Meters | Feet | 1983 | 1984 | 1 | 2 | 3 |
| 1 | 3.281 | 0° 00' | 0° 00' | 1 | 2 | 3 |
| 2 | 6.562 | 0° 01' | 0° 01' | 4 | 5 | 6 |
| 3 | 9.843 | 0° 02' | 0° 02' | 7 | 8 | 9 |
| 4 | 13.124 | 0° 03' | 0° 03' | | | |
| 5 | 16.405 | 0° 04' | 0° 04' | | | |
| 6 | 19.686 | 0° 05' | 0° 05' | | | |
| 7 | 22.967 | 0° 06' | 0° 06' | | | |
| 8 | 26.248 | 0° 07' | 0° 07' | | | |
| 9 | 29.529 | 0° 08' | 0° 08' | | | |
| 10 | 32.810 | 0° 09' | 0° 09' | | | |

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (km) and true magnetic declination (magnetic) at center of map. Diagram is approximate.

| | |
|---|-----------------|
| 1 | Kingwood |
| 2 | Winchester |
| 3 | Frederick |
| 4 | Elkins |
| 5 | Washington West |
| 6 | Staunton |
| 7 | Charlottesville |
| 8 | Fredericksburg |

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
 OR RESTON, VIRGINIA 22092

USGS NMD HISTORICAL MAP
 SEP 22 1986
 REC'D FILE COPY

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker: Interstate, U. S., State
- Railroad: standard gage, narrow gage
- Bridge: overpass, underpass
- Tunnel: road, railroad
- Built up area, locality, elevation
- Airport: landing field, landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey: range, township, section
- Range, township, section line: protracted
- Power transmission line: pipeline
- Open dam with lock
- Cemetery, building
- Wellhead, water well, spring
- Mine shaft; adit or cave; mine, quarry, gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Disturbed surface: strip mine, lava, sand
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream, lake: perennial, intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation, woodland
- Scrub; mangrove
- Orchard; vineyard

